and widthwise opposed sides [which define four corners, each of said corners defining a length and a width of said casing], each of said lengthwise sides provided with [one of an] a pair of inlet and [a] outlet [port] ports, wherein [a] each respective pair of inlet and outlet ports is dedicated to one of said first and second mediums for flow therethrough, [said ports disposed at a respective corner such that a fluid entering and exiting a respective corner does so at an angle of 45 degrees with respect to either side which forms the respective corner];

a heat transfer package disposed within said casing, said heat exchange package having a lengthwise extent and a widthwise extent, said package comprised of a plurality of generally rectangularly shaped [plates] planar elements continuously arranged in sequentially alternating directions in [an] a folded accordion-like manner, each of said [plates] planar elements having [an exacting] substantially similar length, width and thickness with respect to each other, each of said [plates] planar elements integrally connected to an adjacent [plate] planar element along said length, said length and width of said casing substantially corresponding to said length and width of said package, [a common side] opposing surfaces from each adjacent [plate facing one another and] planar element defining an inter-layer space therebetween for receiving a flow of one of said fluid mediums therebetween, [said] a direction of flow of each medium [into each inlet port directed to contact said heat transfer package at an angle of 45 degrees, each medium] having a widthwise element and a lengthwise element when flowing within said inter-layer space, each of said [plate sides] planar elements having a corrugated pattern formed therein, said corrugated pattern extending the entire length and width of each respective planar element, said pattern corresponding to a series of alternating ridges and channels formed at an angle of [at least] no more than 45 degrees with respect to said length of said [plate] planar elements, said corrugated pattern interrupted at [repeated] substantially similar intervals to include a fold line for facilitating [folding of] arranging each of said [plates, said fold lines] planar elements in an accordion-like manner, said fold lines defining said width of each respective element and being [parallely] disposed parallel along said length of each of said [plates, said corrugated pattern on a first plate arranged at a right